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Applicant(s):	ASICS Corporation

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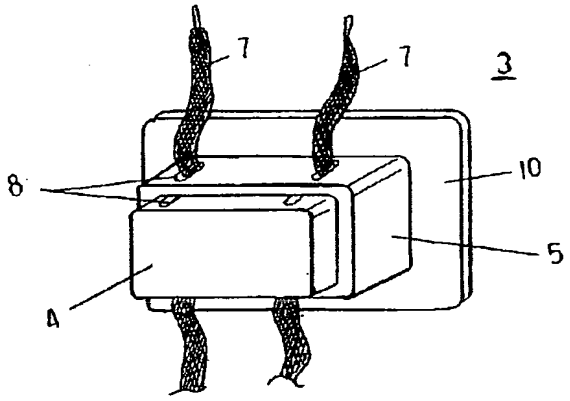
(54)【考案の名称】　靴

(57)【要約】
【目的】簡単な操作で靴の甲被を締付けでき、かつ緩みを生じない緊締装置を靴の舌片に一体的に結合した。
【構成】中空の室体４と、該室体４の側辺を囲む枠体５、並びに該室体４を内部から押し上げるスプリング６を有する靴紐緊締装置３を、該靴紐緊締装置３の枠体５の基部辺に設けた台座１０を介して舌片２に結合し、前記靴紐緊締装置３に穿設した靴紐挿通孔８、８に靴紐７、７を遊動可能に挿通した。



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【実用新案登録請求の範囲】

【請求項１】　靴本体１と該靴本体１の舌片２に取りつける靴紐緊締装置３とからなり、該靴紐緊締装置３は、中空の室体４と、該室体４の側辺を囲む枠体５、並びに前記室体４内の中央部に装着され、該室体４を内部から押し上げるスプリング６とを有しており、前記中空の室体４と枠体５は各側壁部９、９にスプリング６の装着位置を隔てて対称位置にそれぞれ靴紐７、７を挿通する靴紐挿通孔８、８を穿設し、該靴紐挿通孔８、８は前記室体４をスプリング６に抗して強制的に押し込んだ時に整合するように上下にずらして設け、前記靴紐緊締装置３を枠体５の基部辺に設けた台座１０を介して舌片２に結合し、前記靴紐挿通孔８、８に靴紐７、７を遊動可能に挿通したことを特徴とする靴。

【図面の簡単な説明】

【図１】本考案の靴紐緊締装置の上方向から見た斜視図。

【図２】本考案の靴紐緊締装置の側面図。

【図３】本考案の靴紐緊締装置の断面図。

【図４】本考案の靴紐緊締装置を靴に取りつけた状態を示す斜視図。

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【図５】本考案の靴紐緊締装置を靴に取りつけた状態を示す斜視図。

【図６】修正型の靴紐緊締装置を示す斜視図。

【図７】従来品に係るくつひも係止装置を示す斜視図。

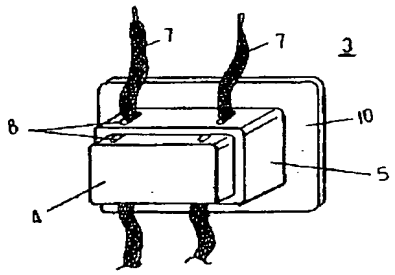
【図８】従来品に係るくつひも係止装置を示す断面図。

【図９】従来品に係るひもホルダーを示す断面図。

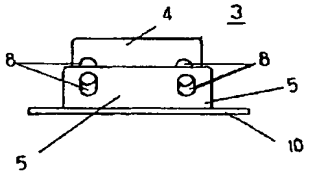
【符号の説明】

１	靴本体
２	舌片
３	靴紐緊締装置
４	室体
５	枠体
６	スプリング
７	靴紐
８	紐挿通孔
９	側壁部
１０	台座
１１	細溝
１２	ベルト
１３	透孔

【図１】



【図２】



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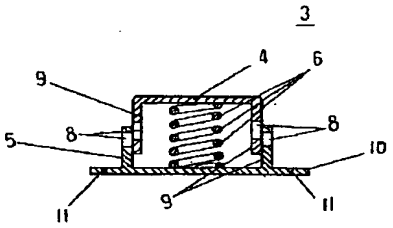
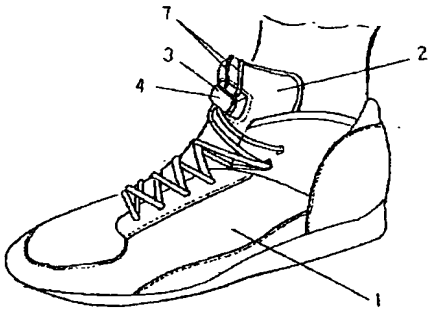
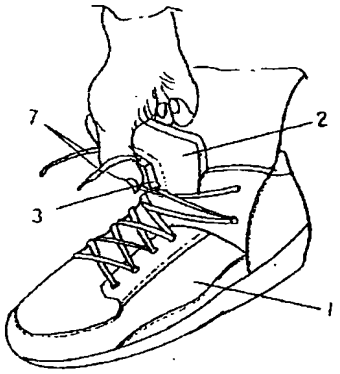


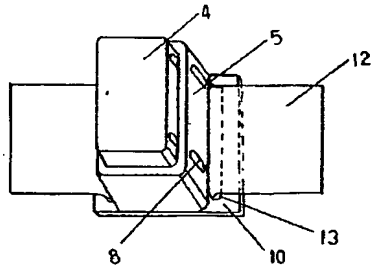
【図４】



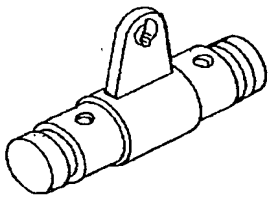
【図５】



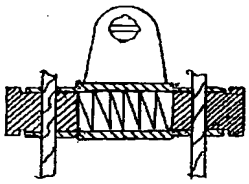
【図６】



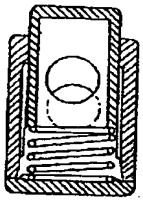
【図７】



【図８】



【図９】



【考案の詳細な説明】

【０００１】

【産業上の利用分野】

本考案は、緊締装置を備えた靴に関するものであって、更に詳しくは、簡単な操作で靴の甲被を締めつけでき、かつ緩みを生じない緊締装置を靴の舌片に一体的に結合した靴に関するものである。

【０００２】

【従来の技術】

従来より靴甲被を締めつけ固定する手段として、図７及び図８に示す実公昭６０－４１１２５号のくつひも係止装置がある。係るくつひも係止装置は、中空円筒体の両端部に、それぞれ円柱状止め栓を進退可能に遊嵌し、かつばねによって、外方へ進出するようにし、円筒体と止め栓に設けたくつひも貫通孔の位置をずらし、ばねの復元力により、貫通孔を通過するくつひもが固定できるように構成されたものであった。しかしながら、前述した従来品では、くつひも係止装置が靴本体と遊離しているため、歩行中に靴甲被上で遊動し、安定性に欠け、殊にランニング等の激しい動作を行うと、プラスチックス等硬質の素材で作られた当該係止装置が靴甲被上で激しくブレ、足の甲部を強く連打して靴着用者に違和感をもたらすのみならず、こうした係止装置のブレはくつひもに緩みをもたらす欠陥がある。また従来品では、装置本体が円筒体で形成されていることから、これをそのまま靴本体に取りつけるには無理があり、靴本体とは分離形成せざるを得ないものであった。更に図９に示すような、所謂紐ホルダーと称するものがある。係る紐ホルダーの基本構造は、円筒状に形成した内外の筒体から構成され、内側の筒体の底部にスプリングを設け、スプリングの押上力を利用して紐を係止するものであるが、スプリングの動方向の延長上に紐通孔が設けられている関係で、紐ホルダーそのもののコンパクト化には自ずから限界があり、これを靴に装着するには全く適合するものではなかった。従って前述した各従来品では機能上、デザイン上からも尚満足のいくものではなかった。

【０００３】

従って本考案の目的は、靴紐の緊締装置を靴の舌片に一体的に取りつけ、簡単

操作で靴紐を締めつけかつ固定できるようにした靴である。

【０００４】

【考案を解決するための手段】

上記の目的を達成するために、本考案者は鋭意研究した結果次のような構成を有する靴を提供するに至った。即ち本考案の靴は靴本体と該靴本体の舌片に取りつける靴紐緊締装置とからなり、該靴紐緊締装置は、中空の室体と、該室体の側辺を囲む枠体、並びに前記室体内の中央部に装着され、該室体の天井部を内部から押し上げるスプリングとを有しており、前記中空の室体と枠体は各側壁部にスプリングの装着位置を隔てて対称位置にそれぞれ靴紐を挿通する紐挿通孔を穿設し、該靴紐挿通孔は前記室体をスプリングに抗して強制的に押し込んだ時に整合するように上下にずらして設け、靴紐緊締装置の枠体の基部辺に設けた台座を介して舌片に結合し、前記靴紐挿通孔に靴紐を遊動可能に挿通したことを新規な技術手段として採用した。

【０００５】

【作用】

本考案によれば、薄層に形成した靴紐緊締装置を靴の舌片に一体的に結合したものであるから、操作上においては極めて自然な動作でしかも非力な人でも楽にに靴紐の緊締操作ができるものを提供し得るものである。

【０００６】

【実施例】

本考案の靴を図面に示す実施例に基づいて説明すると、まず図１は本考案の靴に取りつけられる靴紐緊締装置３の上方向から見た斜視図を示し、図２はその側面図、図３は靴紐緊締装置３の断面図を示し、図４及び図５は靴の舌片２に取りつけた状態を示す斜視図である。靴紐緊締装置３は図１乃至図３に示すとおり、中空の室体４の外側辺を囲む枠体５により形成されており、室体４が該室体４内に設けられたスプリング６より上方へ押し上げられ、靴紐挿通孔８、８に通した靴紐７、７が靴紐挿通孔８、８間に挟込まれ係止されるようにしてある。即ち靴紐挿通孔８、８はスプリング６に抗して室体４を強制的に押し込んだ時該靴紐挿通孔８と８が互いに整合するように上下に若干ずらして設けてあり、スプリング

６の復元力で靴紐が係止されるように形成されている。この際スプリング６は室体内の中央部に配置され、スプリング６の押し込み力、或いは復元力が室体４にバランス良く作用するようにしてある。また靴紐挿通孔８、８の位置は図２及び図３に示すようにスプリング６の装着位置を隔てて対称位置に穿設し、靴紐挿通孔８、８を挿通する二本の靴紐５、５の引張力が均等に働く位置に設けられていいる。この際靴紐緊締装置３自体をできる限りコンパクトにするためは、スプリング６のピッチ幅を小さくするか、ピッチ数を可能な限り少なくしてスプリング６自体の絶対幅を小さくすることにより靴紐緊締装置３を薄層に形成することが可能である。

【０００７】

次に前記靴紐緊締装置３は図３及び図４に示すように、その枠体５の基部辺に台座１０を設け、該台座１０を介して舌片２に結合している。この際前記台座１０は舌片２に結合するために肉厚を薄くして舌片２に縫着できるようにしてある。縫付けを考慮するならば図３に示すように縫代に沿って細溝１１を刻設すればよい。

【０００８】

図６は取りつけ方法の他の実施例であって、台座１０に取りつけベルト１２を通す透孔１３を設け、該透孔１３を通したベルト１２を介して舌片２にとりつけることもできる。靴紐緊締装置３の舌片２への取りつけに際しては、縫着方法によるものの他接着剤を使用して適宜で取りつけることができる。また台座１０の形状大きさも舌片２への結合力を勘案して自由に採択される。

【０００９】

本考案を操作する際には図５に示すように、靴の舌片２をわしづかみにするように把持し、舌片２に取りつけた靴紐緊締装置３の室体４上に手の親指がかかるように当てがい、親指で室体４を押し込み、他方の手で靴紐を引張する簡単な操作で靴紐の締めつけをすることができる。従って操作上においては、単に舌片２をつかんで室体４を押し込む極めて自然な動作で全く無理なく簡単に緊締操作ができる。

【００１０】

【考案の効果】

従って、本考案によれば上下動する、室体4を押し上げるスプリング6のピッチ数を可能な限り少なくして、靴紐緊締装置3を薄くコンパクトにできる構成であって、かつ薄層に形成した靴紐緊締装置を靴の舌片に一体的に結合したものであるため、靴本体との一体的感があり、操作上においても舌片をつかむ自然な動作でしかも親指の押圧力を充分に働かせ、非力な人でも楽に靴紐の緊締操作ができ、ランニングシューズをはじめあらゆる靴に採用できる極めて実用的価値の高い考案である。

[JP,05-058008,U]

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CLAIMS

[Utility model registration claim]
[Claim 1] It consists of shoelace binding equipment 3 attached in the tongue-shaped piece 2 of the body 1 of shoes, and this body 1 of shoes. This shoelace binding equipment 3 **** 4 in the air, the frame 5 surrounding the side side of this **** 4, and a list are equipped in the center section within the aforementioned room object 4. Have the spring 6 which pushes up this **** 4 from the interior, and **** 4 and the frame 5 of said hollow drill the shoelace insertion holes 8 and 8 which separate the stowed position of a spring 6 in each side-attachment-wall sections 9 and 9, and insert shoelaces 7 and 7 in the position of symmetry, respectively. Shift up and down and these shoelace insertion holes 8 and 8 are formed so that it may have consistency, when a spring 6 is resisted and the aforementioned room object 4 is pushed in compulsorily. Shoes characterized by having combined with the tongue-shaped piece 2 through the plinth 10 which formed said shoelace binding equipment 3 the base side of a frame 5, and inserting shoelaces 7 and 7 in said shoelace insertion holes 8 and 8 possible [idle movement].

[Translation done.]

DETAILED DESCRIPTION

[Detailed explanation of a design]
[0001]
[Industrial Application]
This design is related with the shoes which combined with the tongue-shaped piece of shoes in more detail the binding equipment which the upper of shoes is bound tight, and is made in easy actuation, and does not produce slack in one about shoes equipped with binding equipment.
[0002]
[Description of the Prior Art]

As a means to bind a shoes upper tight conventionally and to fix, there is shoelace stop equipment of JP,60-41125,Y shown in drawing 7 and drawing 8 . The shoelace stop equipment to apply fitted in the cylindrical detent plug loosely possible [an attitude], and it shifted the location of a shoelace breakthrough which it is made to march out to the method of outside with a spring, and was prepared at the cylinder object and the detent plug, and it was constituted by the both ends of a hollow cylinder object, respectively so that the shoelace which passes a breakthrough could be fixed according to the stability of a spring. However, since shoelace stop equipment has separated with the body of shoes in elegance conventionally which was mentioned above, If it moves idly on a shoes upper during a walk and a chip and intense actuation of running etc. are especially carried out to stability It not only brings a shoes wearer sense of incongruity, but the stop equipment concerned made from hard raw materials, such as plastics, hits the back of Bure and a guide peg repeatedly strongly violently on a shoes upper, and Bure of such stop equipment has the defect which brings slack to a shoelace. Moreover, conventionally, in elegance, since the body of equipment was formed with the cylinder object, attaching this in the body of shoes as it is had unreasonableness, and the body of shoes was what cannot but carry out separation formation. Furthermore, there are some which are called the so-called string electrode holder as shown in drawing 9 .

Although the basic structure of the string electrode holder to apply consists of internal and external barrels formed in the shape of a cylinder, prepares a spring in the pars basilaris ossis occipitalis of an inside barrel and stops a string using the pantograph adherence pressure of a spring, it was the relation in which the string through-hole is prepared on extension of ****** of a spring, and was not what there is a limitation in miniaturization of the string electrode holder itself naturally, and completely suits equipping shoes with this. Therefore, at each ****** mentioned above, it was not still satisfactory from the function and the design.

[0003]

Therefore, the objects of this design are the shoes attached the binding equipment of a shoelace in the tongue-shaped piece of shoes in one, and bind a shoelace tight and it enabled it to fix by easy actuation.

[0004]

[The means for solving a design]

In order to attain the above-mentioned object, this person came to offer the shoes which have the following configurations as a result of inquiring wholeheartedly. The shoes of this design consist of shoelace binding equipment attached in the tongue-shaped piece of the body of shoes, and this body of shoes. Namely, this shoelace binding equipment **** in the air, the frame surrounding the side side of this ****, and a list are equipped in the center section of the aforementioned room inside of the body. Have the spring which pushes up the head-lining section of this **** from the interior, and **** and the frame of said hollow drill the string insertion hole which separates the stowed position of a spring in each side-attachment-wall section, and inserts a shoelace in the position of symmetry, respectively. It combined with the tongue-shaped piece through the plinth which shifted up and down, prepared this shoelace insertion hole so that it might have consistency, when a spring was resisted and the aforementioned room object was pushed in compulsorily, and was prepared the base side of the frame of shoelace binding equipment, and adopted having inserted the shoelace in said shoelace insertion hole

possible [idle movement] as a new technical means.
[0005]
[Function]
according to this design, since the shoelace binding equipment formed in the thin layer is combined with the tongue-shaped piece of shoes in one, what whose a powerless person is moreover also comfortably alike in very natural actuation, and can perform binding actuation of a shoelace on actuation can be offered.
[0006]
[Example]
When the shoes of this design are explained based on the example shown in a drawing, first, drawing 1 shows the perspective view seen from above [of the shoelace binding equipment 3 attached in the shoes of this design], drawing 2 shows the side elevation, drawing 3 shows the sectional view of shoelace binding equipment 3, and drawing 4 and drawing 5 are the perspective views showing the condition of having attached in the tongue-shaped piece 2 of shoes. It is formed with the frame 5 surrounding the outside side of **** 4 in the air, and it is pushed up upwards and the **** rare stop has been made to be carried out between the shoelace insertion hole 8 and 8 in the shoelaces 7 and 7 which it let pass to the shoelace insertion holes 8 and 8 from the spring 6 with which **** 4 was formed in this **** 4 as shoelace binding equipment 3 is shown in drawing 1 thru/or drawing 3 . That is, when a spring 6 is resisted and **** 4 is pushed in compulsorily, up and down, it shifts a little and the shoelace insertion holes 8 and 8 are provided so that these shoelace insertion holes 8 and 8 may have consistency mutually, and they are formed so that a shoelace may be stopped by the stability of a spring 6. Under the present circumstances, a spring 6 is arranged in the center section of ******, and it is made for the pushing force of a spring 6 or stability to have acted on **** 4 with sufficient balance. Moreover, as shown in drawing 2 and drawing 3 , the location of the shoelace insertion holes 8 and 8 separates the stowed position of a spring 6, and drills it in the position of symmetry, and the tensile force of two shoelaces 5 and 5 which insert in the shoelace insertion holes 8 and 8 is prepared in the location committed uniformly, and is in it. Under the present circumstances, since shoelace binding equipment 3 the very thing is used as much as possible as a compact, it is possible to make the pitch of a spring 6 small, or to lessen the number of pitches as much as possible, and to form shoelace binding equipment 3 in a thin layer by [of spring 6 the very thing] making width of face small absolutely.
[0007]
Next, as shown in drawing 3 and drawing 4 , said shoelace binding equipment 3 formed the plinth 10 the base side of the frame 5, and has combined it with the tongue-shaped piece 2 through this plinth 10. Under the present circumstances, in order to combine with a tongue-shaped piece 2, said plinth 10 makes thickness thin and enables it to have sewn it on the tongue-shaped piece 2. What is necessary is just to engrave a striation 11 along with ** cost, as shown in drawing 3 if ** attachment is taken into consideration.
[0008]
Drawing 6 is other examples of the approach of attaching, can form the bore 13 which attaches in a plinth 10 and lets a belt 12 pass, and can also attach it for a tongue-shaped piece 2 through the belt 12 which let this bore 13 pass. On the occasion of the attachment to the tongue-shaped piece 2 of shoelace binding equipment 3, although based on the

attaching-by-sewing approach, using other adhesives, it is proper and can attach. Moreover, the configuration magnitude of a plinth 10 also takes into consideration the bonding strength to a tongue-shaped piece 2, and is adopted freely.
[0009]
Draw-down of a shoelace can be carried out by easy actuation of grasping so that the tongue-shaped piece 2 of shoes may be made a grab, as shown in drawing 5 , reliance being so that the thumb of a hand may start on **** 4 of the shoelace binding equipment 3 attached in the tongue-shaped piece 2, and pushing in **** 4 with the thumb in case this design is operated, and ****(ing) a shoelace by the hand of another side. Therefore, binding actuation can be performed simply [it is completely reasonable and] in the very natural actuation which only holds a tongue-shaped piece 2 and pushes in **** 4 on actuation.
[0010]
[Effect of the Device]
Therefore, the number of pitches of the spring 6 which pushes up **** 4 which moves up and down according to this design is lessened as much as possible. In order to combine with the tongue-shaped piece of shoes in one the shoelace binding equipment which is the configuration as for which shoelace binding equipment 3 is thinly made to a compact, and was formed in the thin layer, It is the high design of practical value which there is a feeling with the body of shoes of [one-], the thrust of the thumb is moreover fully used in the natural actuation which holds a tongue-shaped piece on actuation, and a powerless person can also do binding actuation of a shoelace comfortably, and can be adopted as all shoes including running shoes very much.

[Translation done.]

TECHNICAL FIELD

[Industrial Application]
This design is related with the shoes which combined with the tongue-shaped piece of shoes in more detail the binding equipment which the upper of shoes is bound tight, and is made in easy actuation, and does not produce slack in one about shoes equipped with binding equipment.
[0002]

[Translation done.]

PRIOR ART

[Description of the Prior Art]
As a means to bind a shoes upper tight conventionally and to fix, there is shoelace stop equipment of JP,60-41125,Y shown in drawing 7 and drawing 8 . The shoelace stop equipment to apply fitted in the cylindrical detent plug loosely possible [an attitude], and it shifted the location of a shoelace breakthrough which it is made to march out to the method of outside with a spring, and was prepared at the cylinder object and the detent plug, and it was constituted by the both ends of a hollow cylinder object, respectively so that the shoelace which passes a breakthrough could be fixed according to the stability of a spring. However, since shoelace stop equipment has separated with the body of shoes in elegance conventionally which was mentioned above, If it moves idly on a shoes upper during a walk and a chip and intense actuation of running etc. are especially carried out to stability It not only brings a shoes wearer sense of incongruity, but the stop equipment concerned made from hard raw materials, such as plastics, hits the back of Bure and a guide peg repeatedly strongly violently on a shoes upper, and Bure of such stop equipment has the defect which brings slack to a shoelace. Moreover, conventionally, in elegance, since the body of equipment was formed with the cylinder object, attaching this in the body of shoes as it is had unreasonableness, and the body of shoes was what cannot but carry out separation formation. Furthermore, there are some which are called the so-called string electrode holder as shown in drawing 9 .
Although the basic structure of the string electrode holder to apply consists of internal and external barrels formed in the shape of a cylinder, prepares a spring in the pars basilaris ossis occipitalis of an inside barrel and stops a string using the pantograph adherence pressure of a spring, it was the relation in which the string through-hole is prepared on extension of ****** of a spring, and was not what there is a limitation in miniaturization of the string electrode holder itself naturally, and completely suits equipping shoes with this. Therefore, at each ****** mentioned above, it was not still satisfactory from the function and the design.
[0003]
Therefore, the objects of this design are the shoes attached the binding equipment of a shoelace in the tongue-shaped piece of shoes in one, and bind a shoelace tight and it enabled it to fix by easy actuation.
[0004]

[Translation done.]

EFFECT OF THE INVENTION

[Effect of the Device]
Therefore, the number of pitches of the spring 6 which pushes up **** 4 which moves up and down according to this design is lessened as much as possible. In order to combine with the tongue-shaped piece of shoes in one the shoelace binding equipment which is the configuration as for which shoelace binding equipment 3 is thinly made to a compact, and was formed in the thin layer, It is the high design of practical value which there is a

feeling with the body of shoes of [one-], the thrust of the thumb is moreover fully used in the natural actuation which holds a tongue-shaped piece on actuation, and a powerless person can also do binding actuation of a shoelace comfortably, and can be adopted as all shoes including running shoes very much.

[Translation done.]

MEANS

[The means for solving a design]
In order to attain the above-mentioned object, this person came to offer the shoes which have the following configurations as a result of inquiring wholeheartedly. The shoes of this design consist of shoelace binding equipment attached in the tongue-shaped piece of the body of shoes, and this body of shoes. Namely, this shoelace binding equipment **** in the air, the frame surrounding the side side of this ****, and a list are equipped in the center section of the aforementioned room inside of the body. Have the spring which pushes up the head-lining section of this **** from the interior, and **** and the frame of said hollow drill the string insertion hole which separates the stowed position of a spring in each side-attachment-wall section, and inserts a shoelace in the position of symmetry, respectively. It combined with the tongue-shaped piece through the plinth which shifted up and down, prepared this shoelace insertion hole so that it might have consistency, when a spring was resisted and the aforementioned room object was pushed in compulsorily, and was prepared the base side of the frame of shoelace binding equipment, and adopted having inserted the shoelace in said shoelace insertion hole possible [idle movement] as a new technical means.
[0005]

[Translation done.]

OPERATION

[Function]
according to this design, since the shoelace binding equipment formed in the thin layer is combined with the tongue-shaped piece of shoes in one, what whose a powerless person is moreover also comfortably alike in very natural actuation, and can perform binding actuation of a shoelace on actuation can be offered.
[0006]

[Translation done.]

EXAMPLE

[Example]
When the shoes of this design are explained based on the example shown in a drawing, first, drawing 1 shows the perspective view seen from above [of the shoelace binding equipment 3 attached in the shoes of this design], drawing 2 shows the side elevation, drawing 3 shows the sectional view of shoelace binding equipment 3, and drawing 4 and drawing 5 are the perspective views showing the condition of having attached in the tongue-shaped piece 2 of shoes. It is formed with the frame 5 surrounding the outside side of **** 4 in the air, and it is pushed up upwards and the **** rare stop has been made to be carried out between the shoelace insertion hole 8 and 8 in the shoelaces 7 and 7 which it let pass to the shoelace insertion holes 8 and 8 from the spring 6 with which **** 4 was formed in this **** 4 as shoelace binding equipment 3 is shown in drawing 1 thru/or drawing 3 . That is, when a spring 6 is resisted and **** 4 is pushed in compulsorily, up and down, it shifts a little and the shoelace insertion holes 8 and 8 are provided so that these shoelace insertion holes 8 and 8 may have consistency mutually, and they are formed so that a shoelace may be stopped by the stability of a spring 6. Under the present circumstances, a spring 6 is arranged in the center section of ******, and it is made for the pushing force of a spring 6 or stability to have acted on **** 4 with sufficient balance. Moreover, as shown in drawing 2 and drawing 3 , the location of the shoelace insertion holes 8 and 8 separates the stowed position of a spring 6, and drills it in the position of symmetry, and the tensile force of two shoelaces 5 and 5 which insert in the shoelace insertion holes 8 and 8 is prepared in the location committed uniformly, and is in it. Under the present circumstances, since shoelace binding equipment 3 the very thing is used as much as possible as a compact, it is possible to make the pitch of a spring 6 small, or to lessen the number of pitches as much as possible, and to form shoelace binding equipment 3 in a thin layer by [of spring 6 the very thing] making width of face small absolutely.
[0007]
Next, as shown in drawing 3 and drawing 4 , said shoelace binding equipment 3 formed the plinth 10 the base side of the frame 5, and has combined it with the tongue-shaped piece 2 through this plinth 10. Under the present circumstances, in order to combine with a tongue-shaped piece 2, said plinth 10 makes thickness thin and enables it to have sewn it on the tongue-shaped piece 2. What is necessary is just to engrave a striation 11 along with ** cost, as shown in drawing 3 if ** attachment is taken into consideration.
[0008]
Drawing 6 is other examples of the approach of attaching, can form the bore 13 which attaches in a plinth 10 and lets a belt 12 pass, and can also attach it for a tongue-shaped piece 2 through the belt 12 which let this bore 13 pass. On the occasion of the attachment to the tongue-shaped piece 2 of shoelace binding equipment 3, although based on the attaching-by-sewing approach, using other adhesives, it is proper and can attach. Moreover, the configuration magnitude of a plinth 10 also takes into consideration the bonding strength to a tongue-shaped piece 2, and is adopted freely.
[0009]
Draw-down of a shoelace can be carried out by easy actuation of grasping so that the tongue-shaped piece 2 of shoes may be made a grab, as shown in drawing 5 , reliance

being so that the thumb of a hand may start on **** 4 of the shoelace binding equipment 3 attached in the tongue-shaped piece 2, and pushing in **** 4 with the thumb in case this design is operated, and ****(ing) a shoelace by the hand of another side. Therefore, binding actuation can be performed simply [it is completely reasonable and] in the very natural actuation which only holds a tongue-shaped piece 2 and pushes in **** 4 on actuation.
[0010]

[Translation done.]

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] The perspective view seen from above [of the shoelace binding equipment of this design].
[Drawing 2] The side elevation of the shoelace binding equipment of this design.
[Drawing 3] The sectional view of the shoelace binding equipment of this design.
[Drawing 4] The perspective view showing the condition of having attached the shoelace binding equipment of this design in shoes.
[Drawing 5] The perspective view showing the condition of having attached the shoelace binding equipment of this design in shoes.
[Drawing 6] The perspective view showing the shoelace binding equipment of a correction mold.
[Drawing 7] The perspective view showing the shoelace stop equipment conventionally applied to elegance.
[Drawing 8] The sectional view showing the shoelace stop equipment conventionally applied to elegance.
[Drawing 9] The sectional view showing the string electrode holder conventionally applied to elegance.
[Description of Notations]
1 Body of Shoes
2 Tongue-shaped Piece
3 Shoelace Binding Equipment
4 ****
5 Frame
6 Spring
7 Shoelace
8 String Insertion Hole
9 Side-Attachment-Wall Section
10 Plinth
11 Striation
12 Belt
13 Bore

[Translation done.]